

## west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

June 07, 2013

### WELL WORK PERMIT

#### **Horizontal 6A Well**

This permit, API Well Number: 47-103293, issued to CNX GAS COMPANY LLC , is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feet free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chie

Operator's Well No: AUD5EHS

Farm Name: JENKINS, DANA L.

**API Well Number: 47-103293** 

Permit Type: Horizontal 6A Well

Date Issued: 06/07/2013

Promoting a healthy environment.



## west virginia department of environmental protection

Office of Oil and Gas 601 57<sup>th</sup> Street Charleston, WV 25304 (304) 926-0450 fax (304) 926-0452 Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

# ORDER ISSUED UNDER WEST VIRGINIA CODE, CHAPTER 22, ARTICLE 6

TO: CNX Gas Company LLC

One Energy Drive Jane Lew, WV 26378 DATE: June 6, 2013

ORDER NO.: 2013-W-3

# **INTRODUCTION**

This Order (hereinafter "Order") is issued by the Office of Oil and Gas (hereinafter "OOG"), by and through its Chief, pursuant to the authority of W. Va. Code §§ 22-1-1, 22-6-1 and 22-6A-1 et seq. to CNX Gas Company LLC (hereinafter "CNX" or "Operator"), collectively the "Parties."

# FINDINGS OF FACT

In support of this Order, the Chief hereby finds the following:

- 1. OOG, an office within the West Virginia Department of Environmental Protection, is the agency with the duty and authority to execute and enforce W. Va. Code §§ 22-6-1 and 22-6A-1 *et seq.*, and the rules and regulations promulgated thereunder.
- 2. CNX is a "person" as defined by W. Va. Code § 22-6-1(n), with a corporate address as One Energy Drive, Jane Lew, WV 26378.
- On February 14, 2013, CNX submitted applications for gas wells identified as API #s 47-001-03293, 47-001-03294, and 47-001-03295; and on March 25, 2013, API #s 47-001-03297, 47-001-03298, 47-001-03299 and, 47-001-03300, located on the AUD5HS Pad in Barbour County, West Virginia.
- 4. On May 15<sup>th</sup>, 2013, CNX requested a waiver for a wetland along the northern boundary ("wetland") of the proposed well pad outlined in Exhibit 1, from well location restriction requirements in W. Va. Code § 22-6A-12(b) for a gas well permit applications identified as API #s 47-001-03293, 47-001-03294, 47-001-03295, 47-001-03297, 47-001-03298, 47-001-03299 and, 47-001-03300, located on the AUD5HS Pad in Barbour County, West Virginia.

### CONCLUSIONS OF LAW

- 1. West Virginia Code § 22-1-6(d) requires, in part, that "[i]n addition to other powers, duties and responsibilities granted and assigned to the secretary by this chapter, the secretary is authorized and empowered to...(3) Enter private lands to make surveys and inspections for environmental protection purposes; to investigate for violations of statutes or rules which the Office of Oil and Gas is charged with enforcing; to serve and execute warrants and processes; to make arrests; issue orders, which for the purposes of this chapter include consent agreements; and to otherwise enforce the statutes or rules which the Office of Oil and Gas is charged with enforcing"
- 2. West Virginia Code § 22-6A-2(a)(6) requires, in part, that "[c]oncomitant with the broad powers to condition the issuance of well work permits, the secretary should also have broad authority to waive certain minimum requirements of this article when, in his or her discretion, such waiver is appropriate: *Provided*, That the secretary shall submit a written report of the number of waivers granted to the Legislature commencing January 1, 2013, and each year thereafter;"
- 3. West Virginia Code § 22-6A-12(b) requires, in part, that "[n]o well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No wellpad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the Office of Oil and Gas shall be measured as follows:(1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir.

  (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake.(3) For a groundwater source, the distance shall be measured from the wellhead or spring. The Office of Oil and Gas may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary."

## **ORDER**

Therefore, the Office of Oil and Gas grants CNX Gas Company LLC a waiver for this wetland from well location restriction requirements in W. Va. Code § 22-6A-12(b) for gas well permit applications identified as API #s 47-001-03293, 47-001-03294, 47-001-03295, 47-001-03297, 47-001-03298 , 47-001-03299 and, 47-001-03300, located on the AUD5HS Pad in Barbour County, West Virginia.. The Office of Oil and Gas hereby **ORDERS** that CNX Gas Company LLC shall meet the following site construction and operational requirements for the AUD5HS well pad:

- 1. CNX Gas Company, LLC shall meet the following site construction and operational requirements for the AUD5HS well pad:
  - a. A berm shall be constructed around the perimeter of the pad to contain any potential spills and storm water runoff. Berm is to be at least two feet (2') in height;
  - b. Filter/silt socks and erosion control blankets shall be installed on all slopes and down gradient locations of the pad and topsoil pile areas steeper than 3H:1V, as erosion and sediment controlling BMPs;
  - c. The wetland shall have a compost filter sock installed no less than twenty-five feet (25') away from the northern boundary;
  - d. Disturbed areas not used for operations shall be seeded and mulched per the seeding tables in the WVDEP-OOG Erosion and Sediment Control Manual;
  - e. Drilling muds shall be disposed of in a permitted landfill;
  - f. Waste generated by the flowback treatment systems shall be sent to offsite disposal at a permitted landfill;
  - g. Weekly site inspections shall be conducted to monitor and maintain the integrity of the BMP storm water controls;
  - h. Weekly storm water and spill prevention inspections shall be conducted focusing on storm water and spill prevention BMPs and maintenance of these BMPs;
  - i. Inspections of the storm water and spill prevention measures shall be conducted after any major storm event defined as a half inch (½") rain within any twenty-four (24) hour period;
  - j. Pad inspections shall be conducted no less than once a week to identify and mitigate potential deficiencies;
  - k. All records from inspections shall be maintained on site for the life of the project and be available upon request.

Thus ORDERED, the 6<sup>th</sup> day of June 2013.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

OFFICE OF OIL AND GAS DEPARTMENT OF ENVIRONMENTAL PROTECTION STATE OF WEST VIRGINIA

Order No. 2013-W-3

# PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

#### **CONDITIONS**

- 1. The subject application contains information which indicates that the proposed activity may require permit coverage from the United States Army Corps of Engineers (USACOE). Through this permit, you are hereby being advised to consult with USACOE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the fill material shall be within plus or minus 2% of the optimum moisture content as determined by the standard proctor density test, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort. Each lift must meet 95 % compaction of the optimum density based on results from the standard proctor density test of the actual soils used in specific engineered fill sites. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.

WW - 6B (1/12)

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS W.VA. CODE §22-6A - WELL WORK PERMIT APPLICATION

1) Well Operator:	CNX Gas Co	ompany, LLC		494495754	Barbour	Union	Audra
				Operator ID	County	District	Quadrangle
2) Operator's Well	Number:	AUD5EHS			Well Pad Nam	e: AUD5HS	
3 Elevation, curren	t ground:	1622'	Ele	vation, proposed	post-construc	tion:	1620'
	Gas Other f Gas:	Shallow Horizontal	Oil	Deep			
5) Existing Pad? Ye	es or No:	No					
6) Proposed Target  Target - Marcellus, Depth				ed Thicknesses an	d Associated	Pressure(s):	
	al Vertica Measured resh Water ermine Frealtwater I oal Seam epth to Po ain coal se sed well v	al Depth: Depth: or Strata Depeth Water Depths: Depths: Depths: Desible Voiceams tributations of the manual	None Anticipated 165', 505' 1 (coal mine, larry or adjacent prill and stimulate newn of 30' past void and	, 165', 505' ference Well # 33306 API Karst, other):	None Anticipate No II. Well to be drilled	to TMD of 13500'. I	If an unexpected
17) Describe fracture. The stimulation will be multilized on each stage using	Itiple stages div	vided over the later		Stage spacing is dependent	t upon engineering de	sign. Slickwater frac	turing technique will be
18) Total area to be	disturbed	l, including	roads, stockp	ile area, pits, etc,	(acres):	16.62 Acres	
19) Area to be distu	rbed for	well pad onl	y, less access	road (acres):	11.88 Acres	3	

RECEIVED
Office of Oil and Gas

MAY 2 0 2013

WV Department of Environmental Protection

1-032.93 AM Court 1-15-13

## 20)

# **CASING AND TUBING PROGRAM**

ТҮРЕ	Size	New or Used	Grade	Weight per ft.	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill -up (Cu. Ft.)
Conductor	20"	Ν	L.S.	81.3#	30'	30'	Sand In
Fresh Water	13 3/8	Z	J-55	54.5#	600'	600'	CTS w/ approved Class A Type Coment
Coal				<del></del>			
Intermediate	9 5/8	N	J-55	36#	2000'	2000'	CTS w/ approved Class A Type Cement
Production	5 1/2	N	P-110	20#	13500'	13500'	2400 cu. ft. w/ 50/50 POZ Lead & Class A Tall
Tubing	2 3/8	N	J-55	4.7#	8380'	8380'	
Liners							

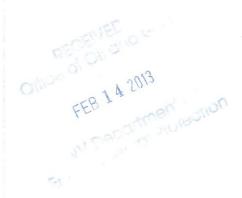
ТҮРЕ	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield
Conductor	20"	26"	0.438	2110	Class A Type	1.18
Fresh Water	13 3/8"	17 1/2"	0.380	2730	Class A Type	1.39
Coal						
Intermediate	9 5/8"	12 3/8"	0.352	3520	Class A Type	1.18
Production	5 1/2"	8 3/4" and 8 1/2"	0.361	12640	Class A Type	1.26
Tubing	2 3/8"	8 3/4" and 8 1/2"	0.190	7700		
Liners						

# **PACKERS**

		PACKERS	142013
Kind:	None		FEST
Sizes:	None		
Depths Set:	None		

21) Describe centralizer placement for each casing strir	g. Conductor - No centralizers used. Fresh Water & Coal -
Bow spring centralizers on first joint then every fourth joint	nt to 100 feet from surface. Intermediate - Bow spring
centralizers one on the first two joints and every fourth jo	oint until inside surface casing. Production - Rigid bow spring
centralizer on first joint then every 2 casing joints (free fl	oating) through the lateral and the curve.
(Note: cementing the 5 1/2" casing completely in open h	ole lateral and curve.)
22) Describe all cement additives associated with each	
Fresh Water/Coal - 2% CaCl2. Intermediate - 2% CaCl2.	Production - 2.6% Cement extender, 0.7% Fluid loss additive,
0.5% High Temperature Retarder, 0.2% Friction Reduce	er
23) Proposed borehole conditioning procedures.	Conductor - The hole is drilled w/air and casing ran in air. Apart from insuring
the hole is clean via air circulation at TD, there are no other conditioning	ng procedures. Fresh Water/Coat - The hole is drilled w/air and casing is ran
in air. Once casing is on bottom, the casing shoe will be cleared wit	h fresh water and gel prior to cementing. Intermediate - The hole is drilled
w/air and casing is ran in air. Once casing is on at bottom, the casir	ng shoe will be cleared with fresh water and gel prior to cementing. (Note:
Drilling soap may be utilized if the hole gets wet/damp during the	drilling of all air holes with the exception of the conductor) Production -
The hole will be drilled with synthetic oil base mud and once	at TD the hole is circulated at a drilling pump rate until the hole is
clean, Once casing is ran the hole is circulated for a mir	nimum of one hole volume prior to pumping cement.

\*Note: Attach additional sheets as needed.



# **Cement Additives**

- Conductor 2% CaCl2
- Freshwater/Coal 2% CaCl2
- Intermediate 2% CaCl2
- Production
  - o 2.6% Cement extender
  - o 0.7% Fluid Loss Additive
  - o 0.5% High Temperature Retarder
  - o 0.2% Friction Reducer

China FEB 1 4 2013

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

# CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name CNX Gas Company, LLC OP Code 494495754
Watershed_Buckhannon River Quadrangle Audra
Elevation 1622' County Barbour District Union
Description of anticipated Pit Waste: Fluids associated with the drilling of new gas wells
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes X No
Will a synthetic liner be used in the pit? Yes If so, what mil.? 60 mil.
Proposed Disposal Method For Treated Pit Wastes:  Land Application  Underground Injection ( UIC Permit Number)  Reuse (at API Number)  Off Site Disposal (Supply form WW-9 for disposal location)  Other (Explain Recycle on other well on same pad or adjacent pads
Drilling medium anticipated for this well? Air, freshwater, oil based, etcAir and water based mud
-If oil based, what type? Synthetic, petroleum, etc. N/A
Additives to be used? Bactericide, Polymers and Weighting Agents
Will closed loop system be used ? No
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill
-If left in pit and plan to solidify what medium will be used? Cement, lime, N/A
-Landfill or offsite name/permit number? MeadowFill, S&S Landfill, and Northwestern Landfill
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.  Company Official Signature  Company Official Title Designated Agent - General Manager WV Gas Operations  FEB 14 2013
Subscribed and sworn before me this 8th day of February , 20_13
Kelly a. Eddy Notary Public
My commission expires September 18, 2018  NOTARY PUBLIC OFFICIAL SEAL STATE OF WEST VIRGINIA  KELLY A. EDDY  RT 2 BOX 225A  JANE LEW, WY 26378  MY COMMISSION EXPIRES SEPT. 18, 2018

Property Boundar	ту 📥 — — — — — — — — — — — — — — — — — —		Diversion	-		<del></del>
Road		= =	Spring		$\bigcirc$	-
Existing Fence	<del></del> xxxxxxxx	<del></del>	Wet Spot			
Planned Fence	/////////		Drain Pipe	_		_
Stream	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	_	w/ size in inche	'S	12)	
Open Ditch	<del>&gt;&gt;&gt;</del>		Waterway	-		
Rock	<u> చేల్గి</u> ంల		Cross Drain		1711777777	
	<b>†</b>		Artificial Filter S	Strip XXXXXXX	CXXXXXXXXXXX	XXXXXXX
North	Ň 		Pit: Cut Walls		€ TTTING TILLING	
Buildings			Pit: Compacted	Fill Walls	marine,	<b>;</b>
Water Wells	(w)		Area for Land A	pplication	(5:3:3)	
Drill Sites	$\underline{\hspace{1cm}}$		of Pit Waste		منتشف ف	
	pH test Tons/acre or to correct to	_	P	revegetation	<sub>pH</sub> 6.5	
Fertilizer (10-20-2	20 or equivalent) 500	_lbs/acre (5	00 lbs minim	um)		
Mulch Hay or S	Straw at 2 To	ns/acre				
Without	***					
		Seed Mixt	ures			
	Area I			А	rea II	
Seed Type	lbs/acre		See	ed Type	lbs	/acre
Orchardgrass 25		Orc	hardgrass	25		
Birdsfoot Trefoil 15		Bird	sfoot Trefoil	15		
Landino Clover 10		Lan	dino Clover	10	<del>*************************************</del>	
	on,pit and proposed area for land a colved 7.5' topographic sheet.	application				
Plan Approved by:	1M Court					
Comments:/				- ,,		
						FES 14 2013
Title: INSpector		Dat	a. 1-1	5-13		
7			v. <u> </u>	<u> </u>	<del> · · · · · · · · · · · · · · · · · ·</del>	
Field Reviewed?	( > ) Yes (	) No				

# west virginia department of environmental protection



# Water Management Plan: Secondary Water Sources



WMP-01104	API/ID Number	047-001-03293	Operator:	Consol Energy - WV
	A	UD5EHS		

#### Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- •For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
- •For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

#### Multi-site impoundment Warder North Impoundment Source ID: 14162 Source Name 5/1/2013 Source start date: 5/1/2014 Source end date: Source Lat: 39.192505 Source Long: -80.025198 County Barbour 3,696,000 Max. Daily Purchase (gal) Total Volume from Source (gal): **DEP Comments:**

The intake identified above has been defined in a previous water management plan. The thresholds established in that plan govern this water management plan unless otherwise noted.

Reference: WMP-189

APPROVED MAY 2 4 2013

WMP-01104	API/ID Number	047-001-03293	Operator:	Consol Energy - WV
	А	UD5EHS		

### Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

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- •For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

					Source start date: Source end date:	5/1/2013 5/1/2014
	Source Lat:	39.19097	Source Long:	-80.025198	County E	Barbour
	Max. Daily Pu	rchase (gal)		Total Volu	me from Source (gal):	3,570,000
DEP (	Comments:					

The intake identified above has been defined in a previous water management plan. The thresholds established in that plan govern this water management plan unless otherwise noted.

Reference: WMP-190

WMP-01104	API/ID Number	047-001-03293	Operator:	Consol Energy - WV
	А	UD5EHS		

#### Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

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Source ID:	14164	Source Name	ALT 1 Flowbac	k Pit		Source start date:	5/1/201
						Source end date:	5/1/201
		Source Lat:	38.793967	Source Long:	80.183196	County	Barbour
		Max. Daily Pu	rchase (gal)		Total Volu	me from Source (gal):	3,977,064
	DEP Co	mments:					
Source ID:	14165	Source Name	PHL 1 Flowbac	k Pit		Source start date:	5/1/20:
ource ID:	14165	Source Name	PHL 1 Flowbac	k Pit		Source start date: Source end date:	
ource ID:	14165	Source Name Source Lat:	PHL 1 Flowbac 39.192372	k Pit Source Long:	-80.018833	Source end date:	5/1/20: 5/1/20: Barbour

WMP-01104	API/ID Number	047-001-03293	Operator:	Consol Energy - WV
	А	UD5EHS		

### Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- •For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
- •For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

Source ID: 141	14166	Source Name	Various		S	ource start date:	5/1/2013
			Source end date:			5/1/2014	
		Source Lat:		Source Long:	Co	unty	
		Max. Daily Purchase (gal)			Total Volume from	ume from Source (gal):	
	DEP Co	mments:					

